

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014107.D
 Acq On : 09 Jun 2023 20:08
 Operator : KP/MD
 Sample : 03094-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1RE

Quant Time: Jun 10 05:16:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

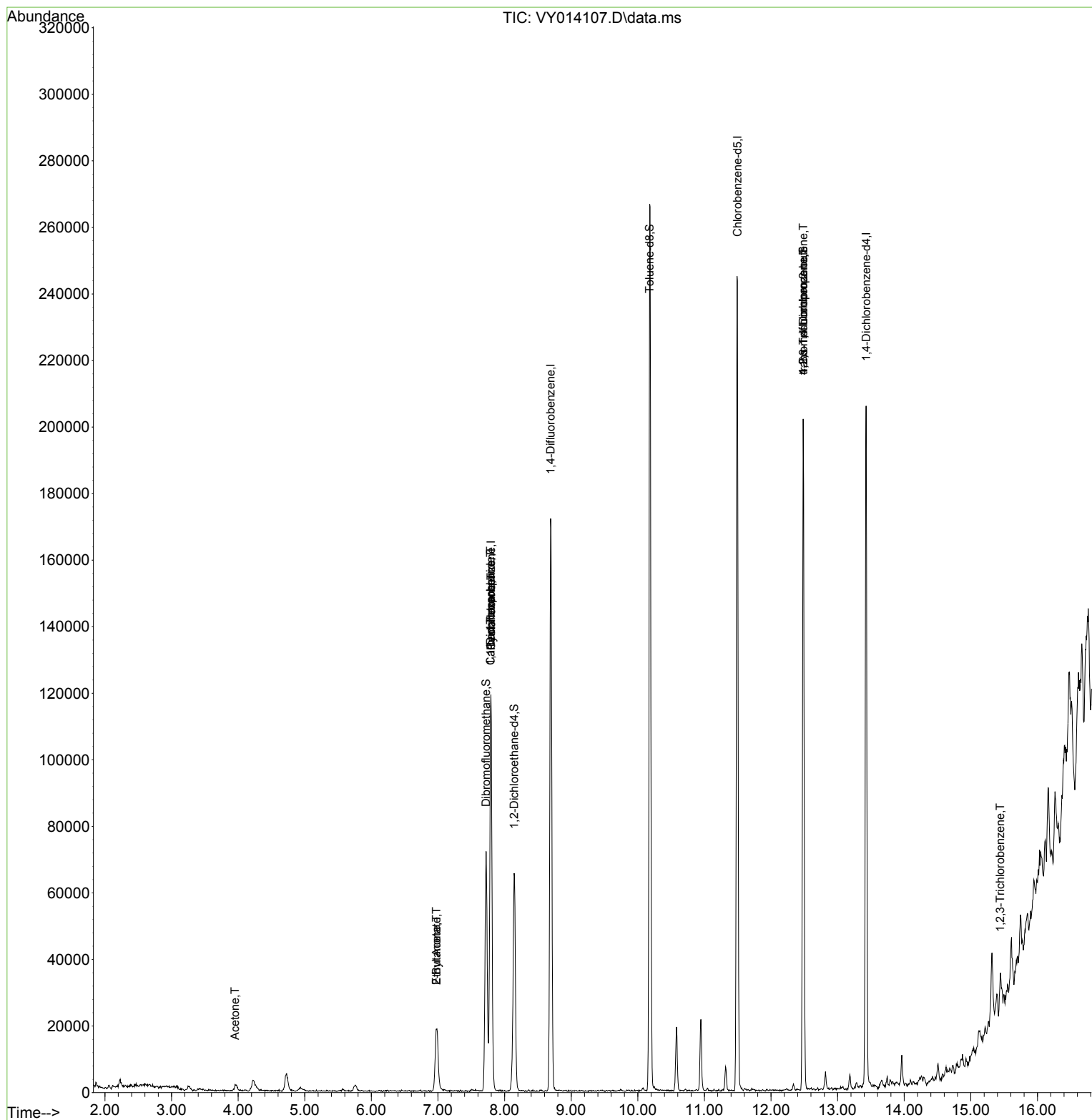
Internal Standards						
1) Pentafluorobenzene	7.795	168	93361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	147210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	136934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	53780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	54561	41.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.940%		
35) Dibromofluoromethane	7.722	113	47885	45.868	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.740%		
50) Toluene-d8	10.179	98	176472	45.214	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.420%		
62) 4-Bromofluorobenzene	12.483	95	50431	36.374	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	72.740%		
Target Compounds						
11) Tert butyl alcohol	4.936	59	1034	Below Cal	#	89
13) Acrolein	3.729	56	37	Below Cal	#	14
16) Acetone	3.954	43	3482	8.885	ug/l	90
20) Methylene Chloride	4.722	84	3773	Below Cal		92
25) 2-Butanone	6.978	43	1460	3.027	ug/l #	49
31) Cyclohexane	7.795	56	2218	1.274	ug/l #	44
36) 1,1-Dichloropropene	7.789	75	7625	4.685	ug/l #	51
37) Ethyl Acetate	6.978	43	1460	1.300	ug/l #	1
38) Carbon Tetrachloride	7.789	117	9354	4.980	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	28242	40.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	28242	86.522	ug/l #	10
96) 1,2,3-Trichlorobenzene	15.440	180	1342	1.268	ug/l #	30

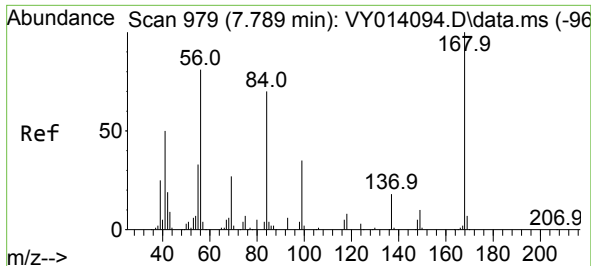
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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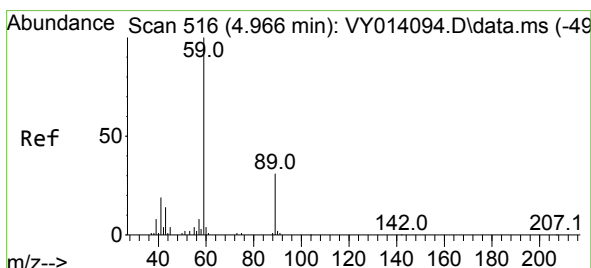
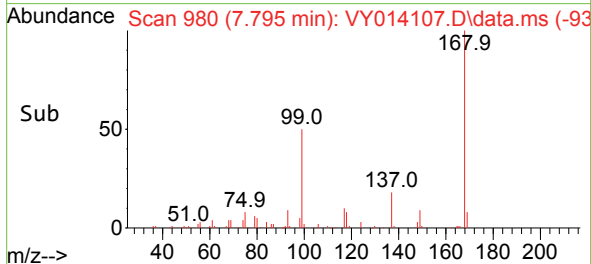
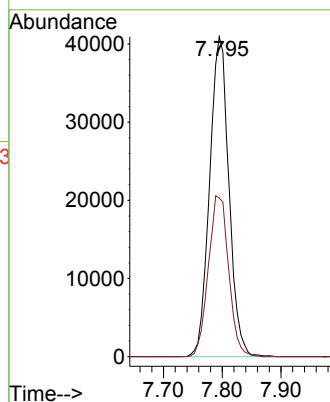
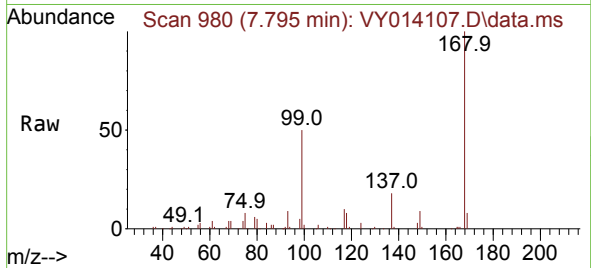




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

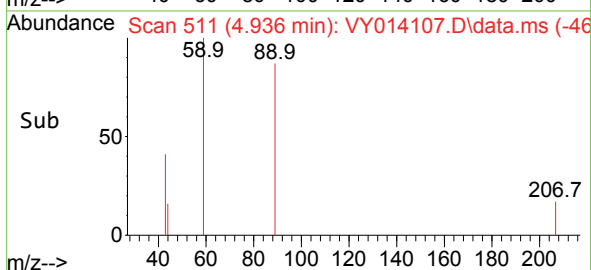
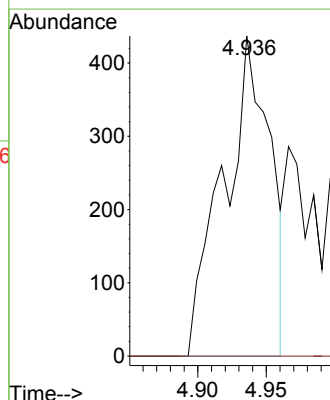
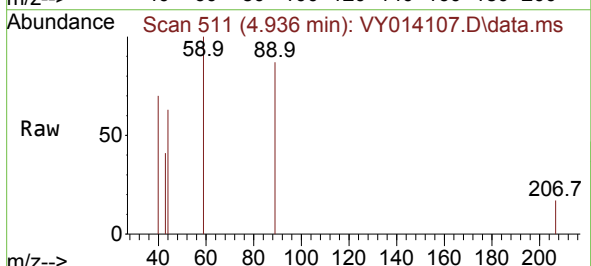
Instrument :
MSVOA_Y
ClientSampleId :
WC-1RE

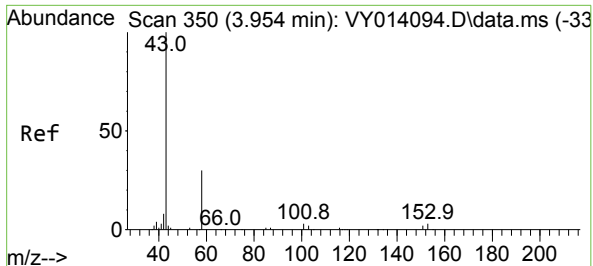
Tgt Ion:168 Resp: 93361
Ion Ratio Lower Upper
168 100
99 49.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Tgt Ion: 59 Resp: 1034
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

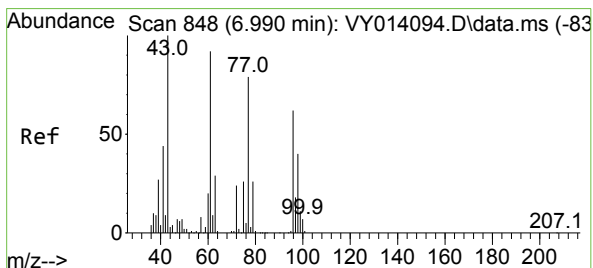
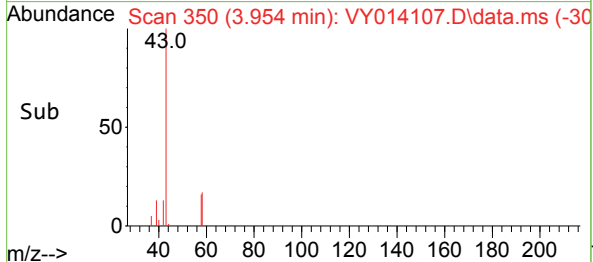
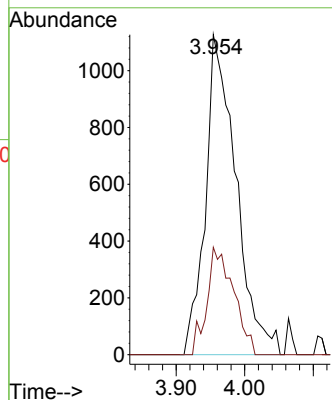
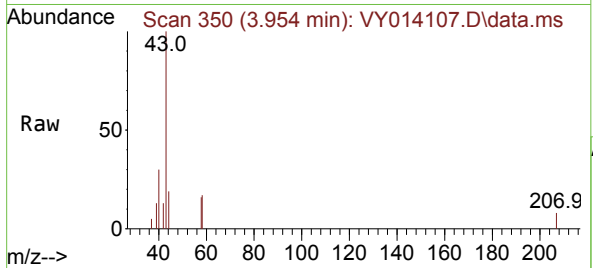




#16
Acetone
Concen: 8.885 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

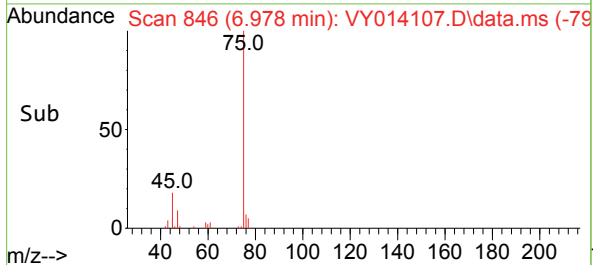
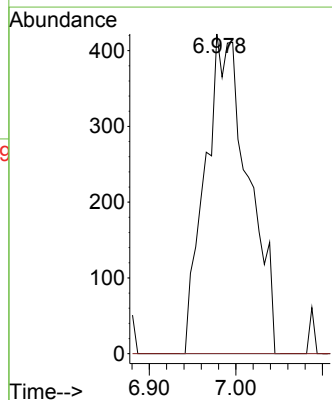
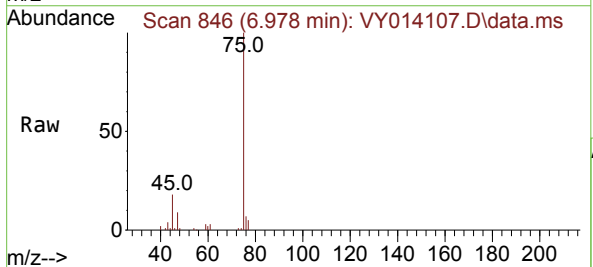
Instrument :
MSVOA_Y
ClientSampleId :
WC-1RE

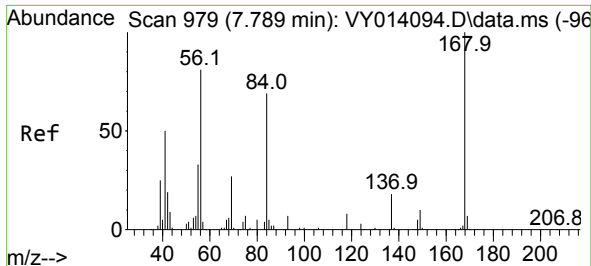
Tgt Ion: 43 Resp: 3482
Ion Ratio Lower Upper
43 100
58 33.5 22.7 34.1



#25
2-Butanone
Concen: 3.027 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

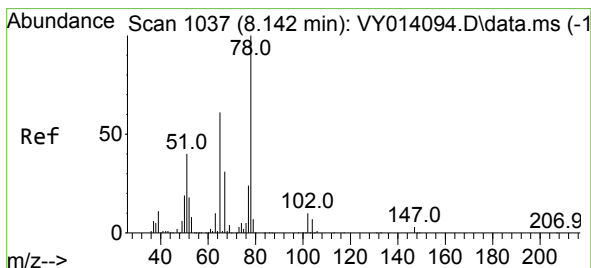
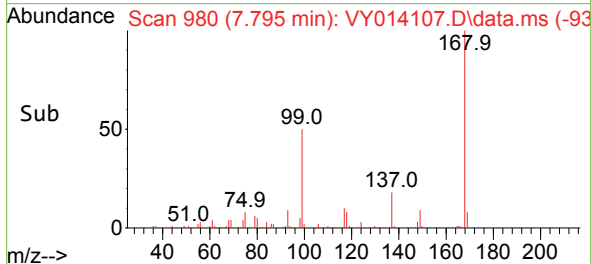
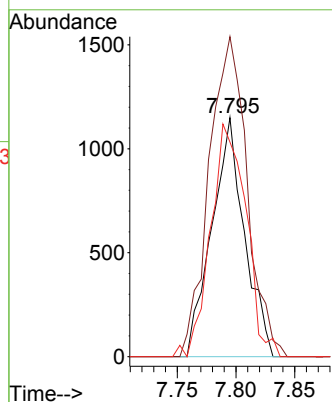
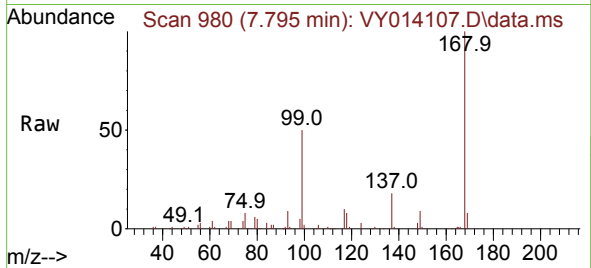




#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

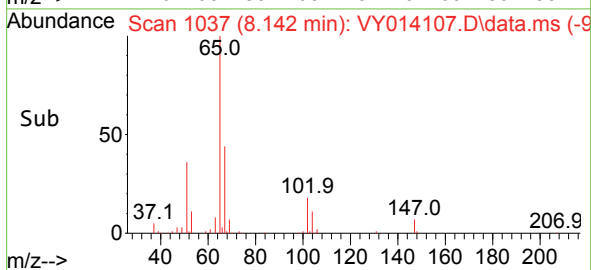
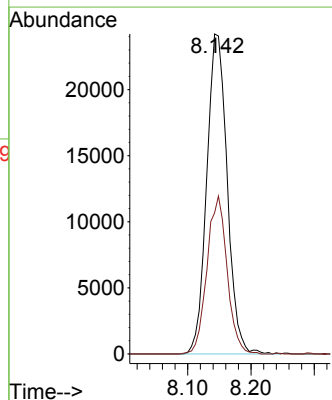
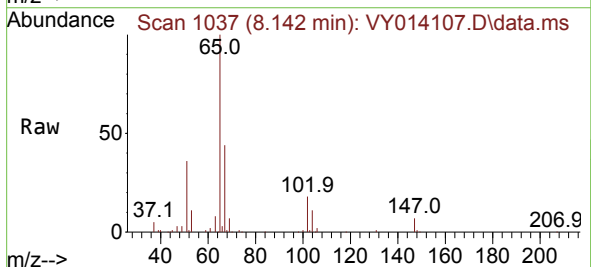
Instrument :
MSVOA_Y
ClientSampleId :
WC-1RE

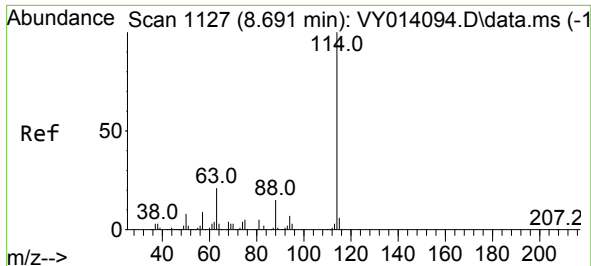
Tgt Ion: 56 Resp: 2218
Ion Ratio Lower Upper
56 100
69 133.8 27.8 41.6#
84 89.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 41.968 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Tgt Ion: 65 Resp: 54561
Ion Ratio Lower Upper
65 100
67 48.4 0.0 101.8

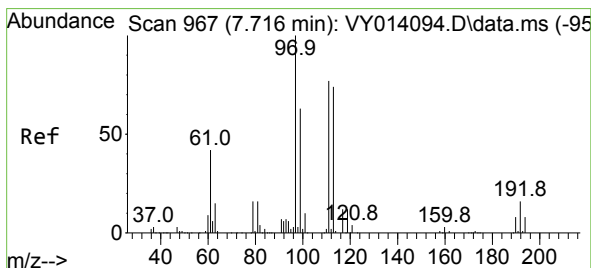
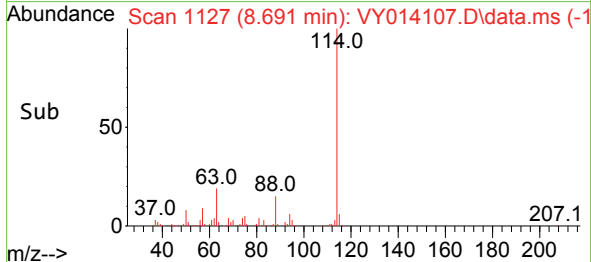
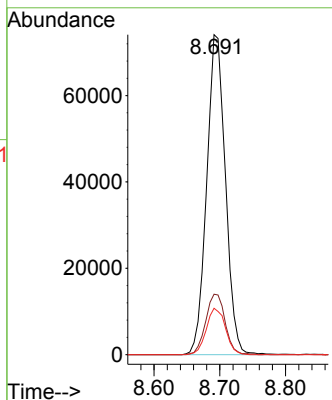
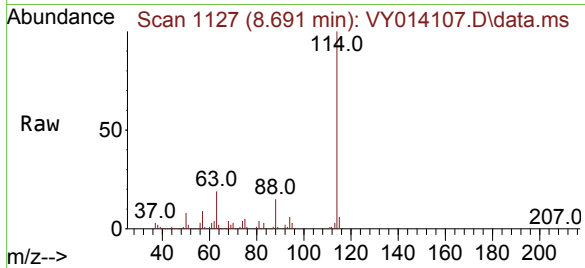




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014107.D
 Acq: 09 Jun 2023 20:08

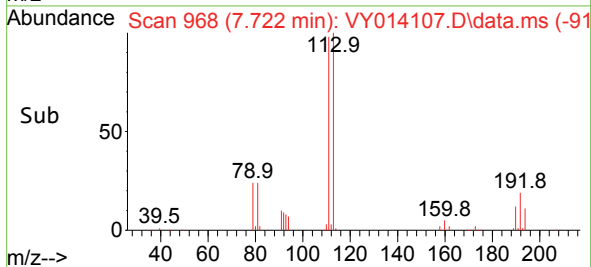
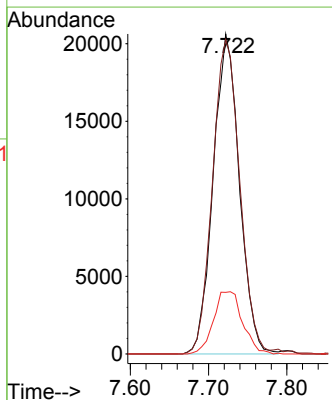
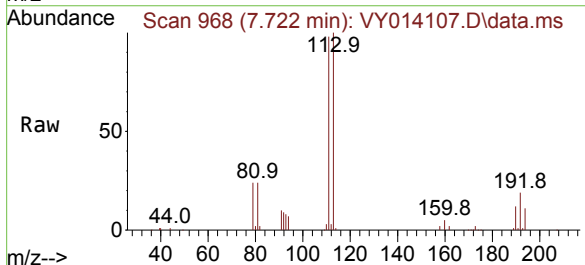
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1RE

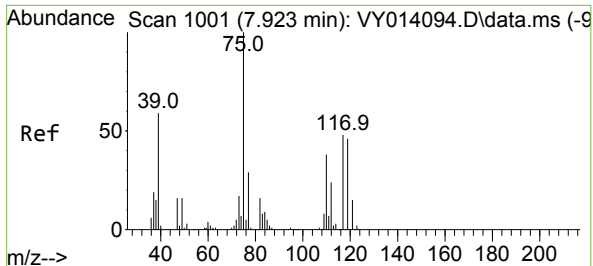
Tgt Ion:114 Resp: 147210
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 14.5 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 45.868 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY014107.D
 Acq: 09 Jun 2023 20:08

Tgt Ion:113 Resp: 47885
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.3 121.9
 192 21.6 16.9 25.3

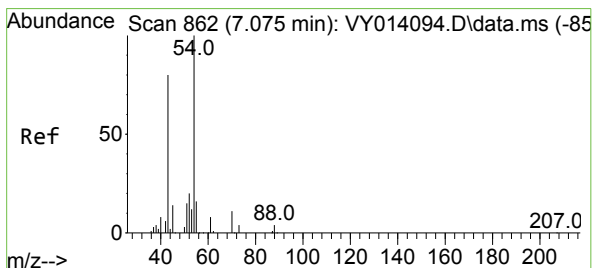
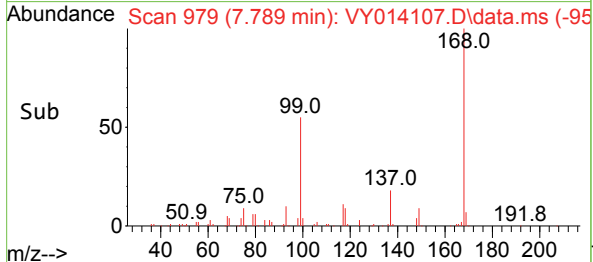
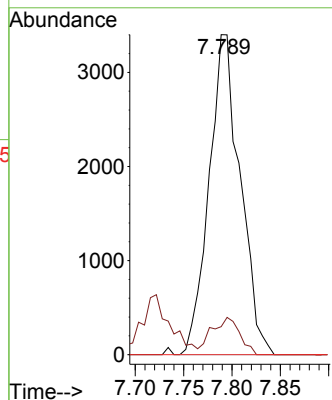
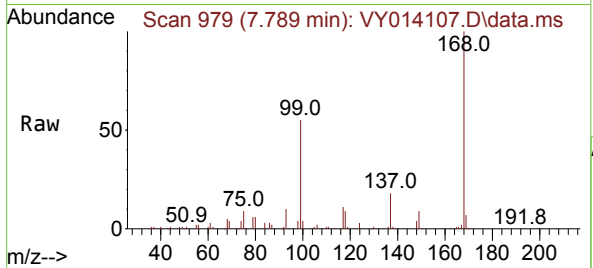




#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

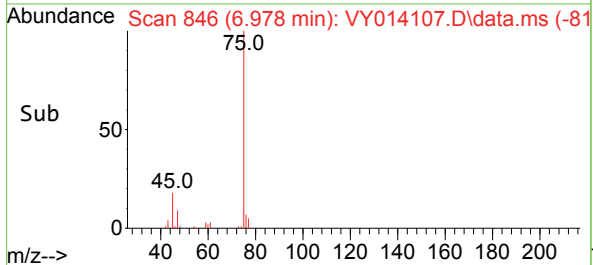
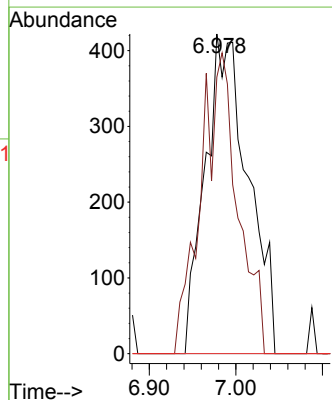
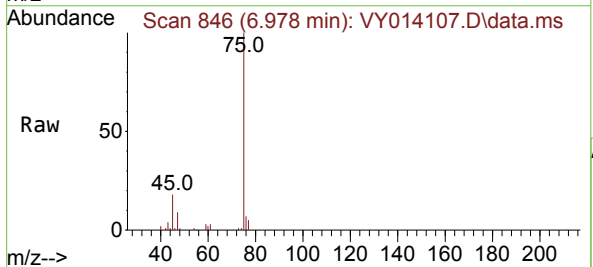
Instrument :
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ClientSampleId :
WC-1RE

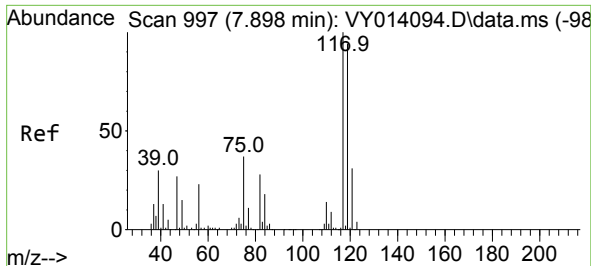
Tgt Ion: 75 Resp: 7625
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.300 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.097 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
61 81.2 10.1 15.1#
70 0.0 7.1 10.7#

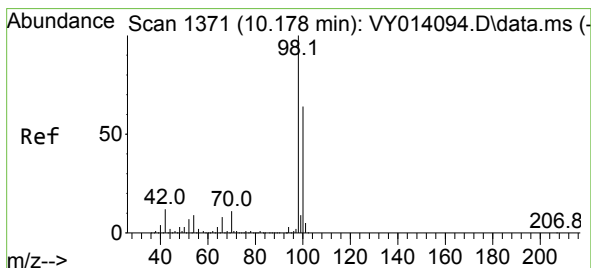
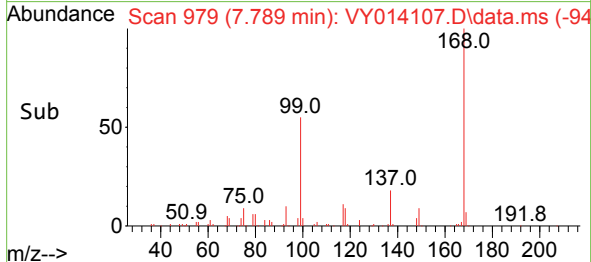
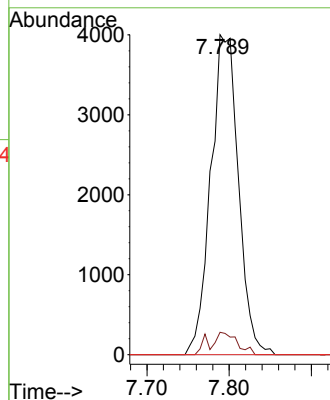
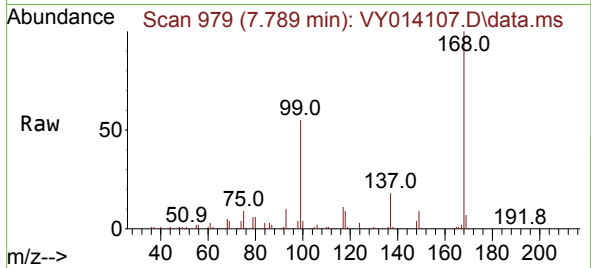




#38
Carbon Tetrachloride
Concen: 4.980 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

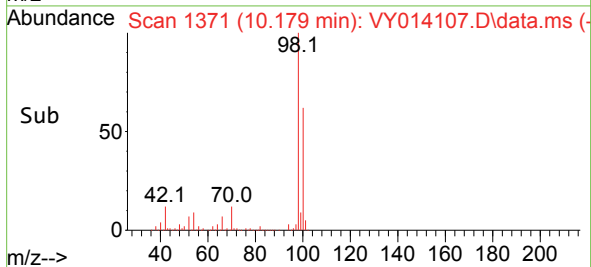
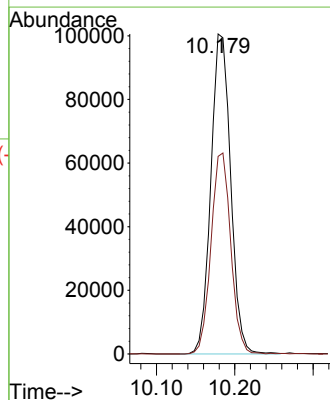
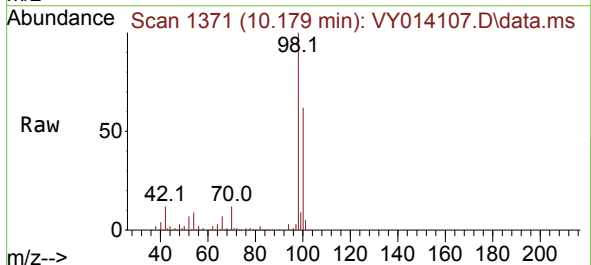
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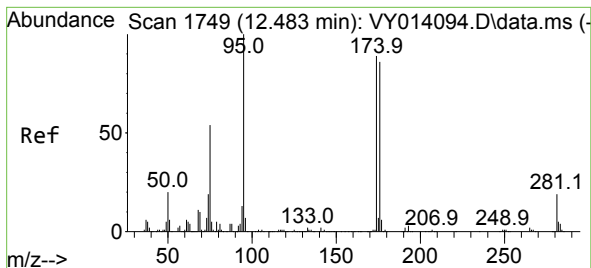
Tgt Ion:117 Resp: 9354
Ion Ratio Lower Upper
117 100
119 7.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.214 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Tgt Ion: 98 Resp: 176472
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1

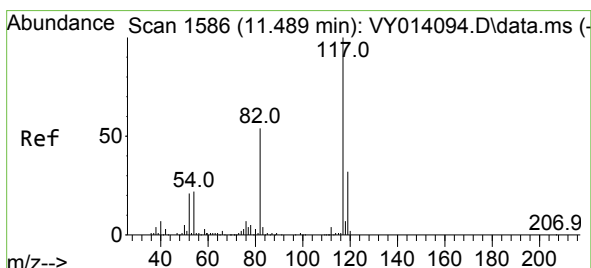
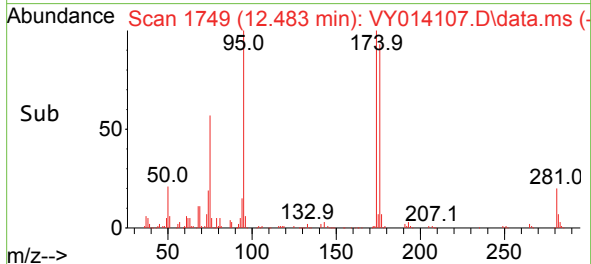
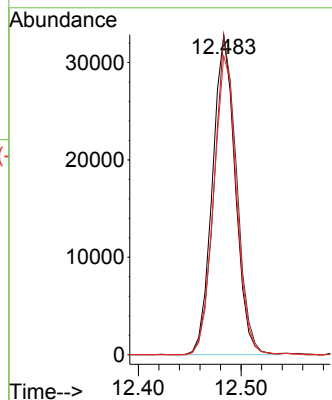
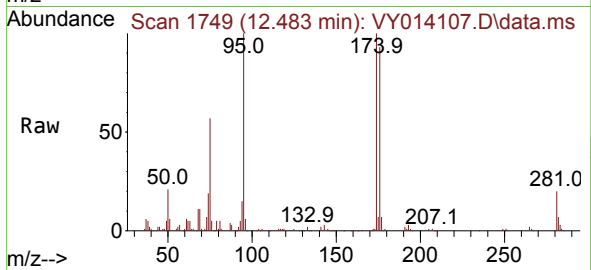




#62
4-Bromofluorobenzene
Concen: 36.374 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

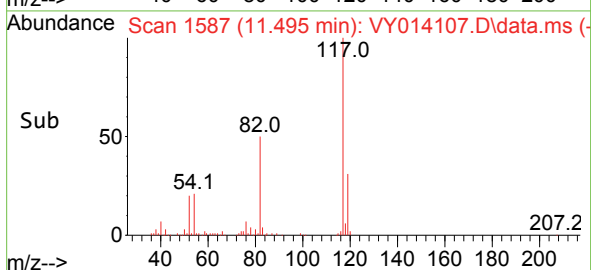
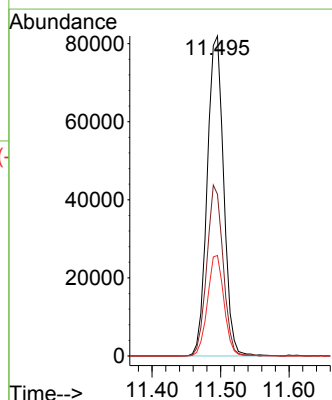
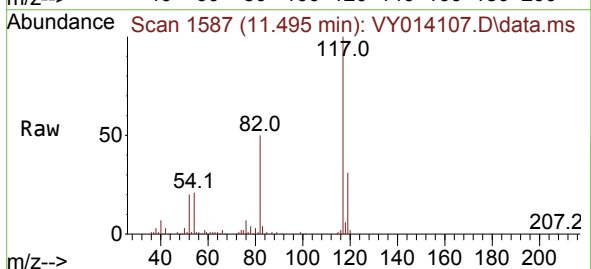
Instrument :
MSVOA_Y
ClientSampleId :
WC-1RE

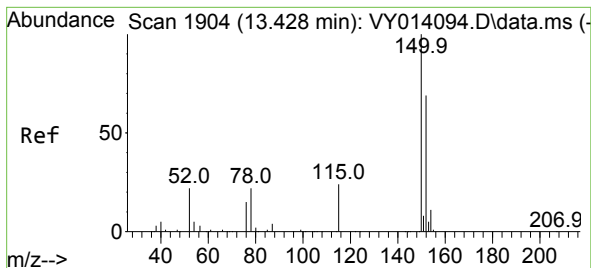
Tgt Ion: 95 Resp: 50431
Ion Ratio Lower Upper
95 100
174 98.9 0.0 178.2
176 93.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Tgt Ion: 117 Resp: 136934
Ion Ratio Lower Upper
117 100
82 50.5 43.4 65.0
119 31.4 26.3 39.5

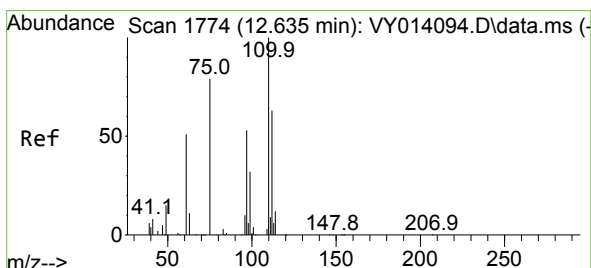
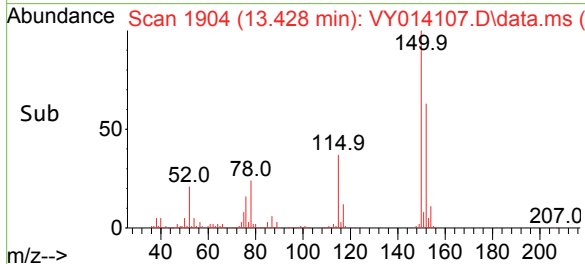
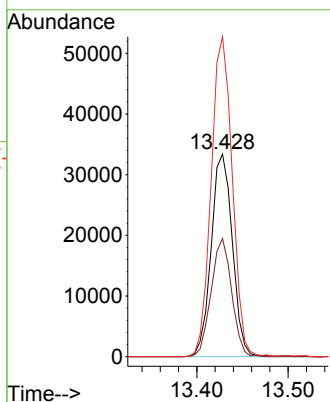
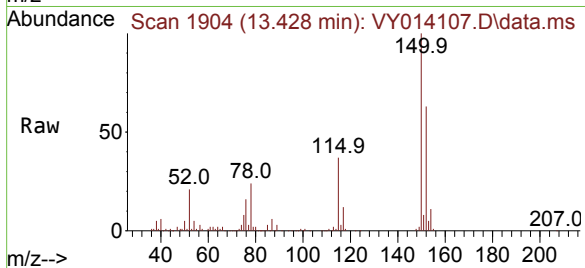




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY014107.D
 Acq: 09 Jun 2023 20:08

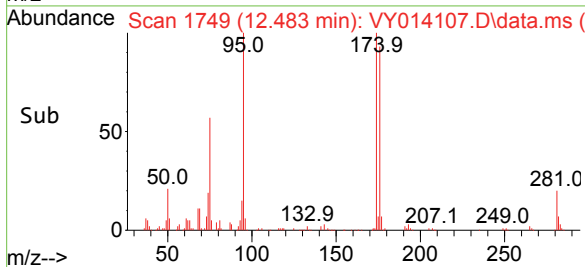
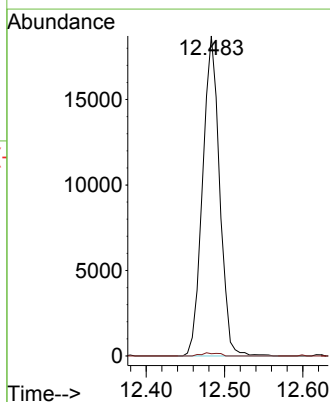
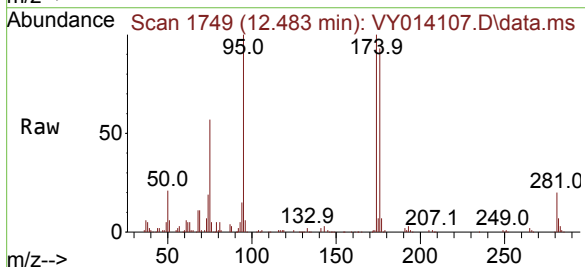
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1RE

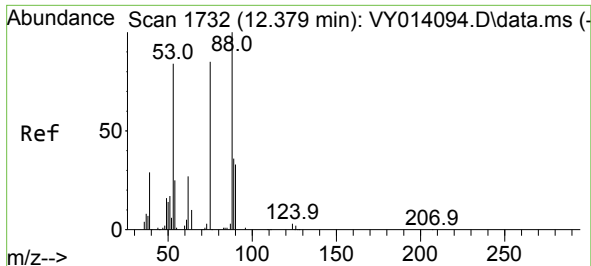
Tgt Ion:152 Resp: 53780
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.8 86.5
 150 157.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.027 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY014107.D
 Acq: 09 Jun 2023 20:08

Tgt Ion: 75 Resp: 28242
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

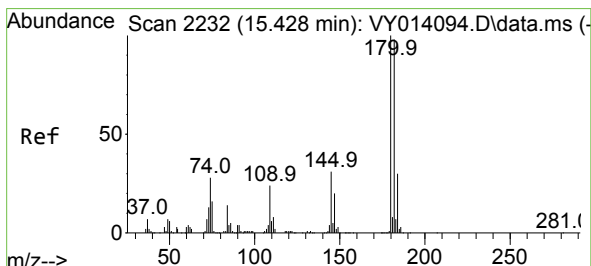
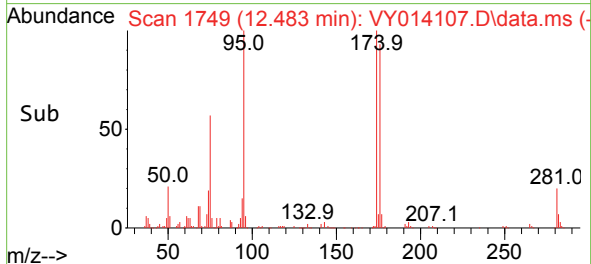
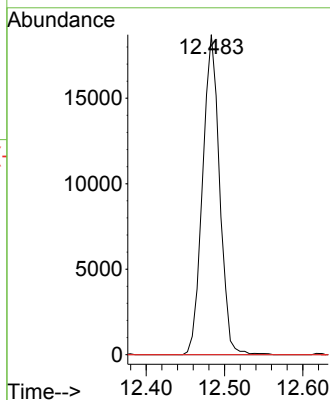
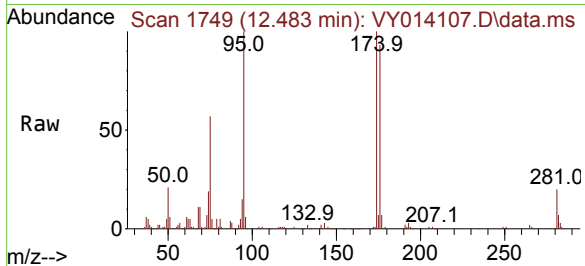




#81
trans-1,4-Dichloro-2-butene
Concen: 86.522 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Instrument :
MSVOA_Y
ClientSampleId :
WC-1RE

Tgt Ion: 75 Resp: 28242
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.268 ug/l
RT: 15.440 min Scan# 2234
Delta R.T. 0.012 min
Lab File: VY014107.D
Acq: 09 Jun 2023 20:08

Tgt Ion: 180 Resp: 1342
Ion Ratio Lower Upper
180 100
182 19.4 47.3 141.8#
145 4.8 15.4 46.2#

